

Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

1 - 26. (Cancelled)

27. (Currently amended) A broadband multimedia system, comprising: a broadband multimedia router communicatively connected to a data router and between a plurality of media sources and a plurality of network transmitters, and configured to encapsulate packets of video streams received from said media sources within addressable packets for switching between inputs and outputs of said broadband multimedia router; and a session manager, communicatively connected to said broadband multimedia router and configured to provide routing instructions to said broadband multimedia router for (i) directing said video streams received from said media sources to said network transmitters for transmitting over a broadband network and (ii) directing addressable data packets received from said data router to at least a selected one of said network transmitters for transmitting over said broadband network to a specific destination associated with address information included in said addressable data packets; wherein the session manager is further adapted to dynamically reallocate a channel of a newly selected network transmitter for directing addressable data packets to the specific destination, so that a data session with the specific destination follows a video selection of a user.

28. (Previously Presented) The broadband multimedia system according to claim 27, wherein said session manager is further configured to receive data session requests, authorize data sessions in response thereto and allocate network resources for said data sessions.

29. (Previously Presented) The broadband multimedia system according to claim 28, wherein said session manager is further configured to assign a layer three address to a digital STB communicatively connected to said broadband multimedia system via said broadband network.

30. (Previously Presented) The broadband multimedia system according to claim 28, wherein said session manager is further configured to assign a network channel layer three address to a digital STB communicatively connected to said broadband multimedia system via said broadband network.

31- 33. (Cancelled).

34. (New) The broadband multimedia system according to claim 27, wherein the broadband multimedia router is communicatively connected between the plurality of media sources and a plurality of quadrature amplitude modulation units of a quadrature amplitude modulation array, wherein the plurality of the quadrature amplitude modulation units is the plurality of the network transmitters.

35. (New) The broadband multimedia system according to claim 27, wherein the session manager is further adapted to dynamically reallocate the channel of the newly selected network transmitter in response to a notification received from a set top box of the user over an out-of-band channel.